

What is claimed is:

1. A fuel pump for supplying fuel to an internal combustion engine comprising a suction-side cover having a fuel inlet, an exhaust-side cover having a fuel outlet, an electric motor disposed between said suction-side cover and said exhaust-side cover, a pump casing disposed between said electric motor and said suction-side cover, a passage member having a pressure boosting passage disposed between said suction-side cover and said pump casing, an impeller disposed in the pressure boosting passage to be rotated by said electric motor, and a cylindrical housing for accommodating said suction-side cover, said pump casing and said impeller,

wherein said suction-side cover comprises a resinous member that has a shoulder having a round surface in contact with a portion of said cylindrical housing that is clinched at said shoulder.

2. The fuel pump as claimed in claim 1, wherein said round surface is disposed at a peripheral surface of said suction-side cover away from said pump casing.

3. The fuel pump as claimed in claim 2, wherein the radius of said round corner is 2mm or longer.

4. The fuel pump as claimed in claim 2, wherein the portion of said cylindrical housing that is clinched has a surface formed by a punch that has a concave pressing surface.

5. The fuel pump as claimed in claim 1, wherein said shoulder has a thickness between 4 mm and 5 mm.

6. A fuel pump for supplying fuel to an internal combustion engine including a suction-side cover having a fuel inlet, a pump casing, an impeller disposed between said suction-side cover and said pump casing and a cylindrical housing for accommodating said suction-side cover, said pump casing and said impeller,

wherein:

said suction-side cover has a shoulder having a round surface in contact with a portion of said cylindrical housing that is clinched at said shoulder;

said round surface has a radius of 2 mm or longer; and

said shoulder has a thickness between 4 mm and 5 mm.